

Date: Tue, 12 Jan 93 04:30:17 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #50  
To: Info-Hams

## Today's Topics:

Daily Solar Geophysical Data Broadcast for 11 January  
ICOM 229H  
Suggested ARRL 70 cm band plan ...  
Yaesu FT 5100 Reviews??  
Yugoslav hams?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 12 Jan 93 08:04:27 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 11 January  
To: info-hams@ucsd.edu

```
!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 011, 01/11/93
10.7 FLUX=131.7 90-AVG=140      SSN=135      BKI=1014 5333  BAI=015
BGND-XRAY=B2.9      FLU1=1.8E+06  FLU10=9.9E+03  PKI=1123 6433  PAI=018
      BOU-DEV=007,003,007,043,075,035,025,021  DEV-AVG=027 NT      SWF=00:000
      XRAY-MAX= C3.2 @ 1758UT      XRAY-MIN= B2.9 @ 0017UT      XRAY-AVG= B7.8
      NEUTN-MAX= +001% @ 2315UT      NEUTN-MIN= -003% @ 2115UT      NEUTN-AVG= -0.3%
      PCA-MAX= +0.2DB @ 1625UT      PCA-MIN= -0.1DB @ 2315UT      PCA-AVG= +0.0DB
      BOUTF-MAX=55422NT @ 0058UT      BOUTF-MIN=55388NT @ 1830UT      BOUTF-AVG=55406NT
      GOES7-MAX=P:+140NT@ 1755UT      GOES7-MIN=N:+004NT@ 2344UT      G7-AVG=+101,+022,+012
      GOES6-MAX=P:+158NT@ 1755UT      GOES6-MIN=E:-012NT@ 1850UT      G6-AVG=+119,-006,+014
      FLUXFCST=STD:135,130,130;SESC:135,130,130 BAI/PAI-FCST=010,010,015/010,010,010
      KFCST=2333 2222 2333 2222 27DAY-AP=006,009 27DAY-KP=3111 1222 3213 2223
      WARNINGS=
```

ALERTS=  
!!END-DATA!!

-----

Date: 11 Jan 93 13:01:17 GMT  
From: sdd.hp.com!zaphod.mps.ohio-state.edu!rphroy!ilium!sycom!instem!  
bb19s20@network.UCSD.EDU  
Subject: ICOM 229H  
To: info-hams@ucsd.edu

I've recently passed my Tech test and asked a few fellow Hams what a good radio would be for the 2 meter band. Most pointed me to the ICOM 229H... Anyone out there have this rig?. Just curious as to how you like it or if this really is a good radio or should I perhaps look at something different.

-----

Date: 12 Jan 93 10:49:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Suggested ARRL 70 cm band plan ...  
To: info-hams@ucsd.edu

In Info-Hams V93 #49, I quoted:  
>"0000kay kitty cats. ...

As part of a table, I listed:  
>438.000 - 444.000 Another ATV allocation that overlaps the next entry...

I hereby amend it to read:  
>438.000 - 444.000 Another ATV and repeater link allocation that overlaps  
> the next entry

Not that it makes any difference. I was pointing out the 433-435 subband.

Reid (my beak),  
WB7CJO

-----

Date: Mon, 11 Jan 1993 23:49:26 GMT  
From: amdcad!amdc12!brian@ames.arpa  
Subject: Yaesu FT 5100 Reviews??  
To: info-hams@ucsd.edu

(Jeffrey Brian Anderoson) writes:  
> Does anyone have any good or bad comments about the Yaesu 5100 Dual Band

> mobile rig???

I've had one for two weeks now. I'd give it very high marks for both RF performance and user interface. Since Yaesu's advertising has already made the good points known, I'll concentrate on the warts and shortcomings. Keep in mind that I think the radio is very good!

(Before I start, I'll make a request for any and all mods for this radio. I have an extensive list of mods for the FT470 and I plan to create one for this radio as well. Please don't ask for the 470 mods, they were posted two weeks ago...)

Dual In-Band Receive: works as advertised except for sensitivity. The "main" receiver works very well. The "sub" receiver works very well when tuned to the opposite band from the "main" receiver. When tuned to the same band, the "sub" receiver suffers from slightly lower sensitivity in the ham bands and greatly reduced sensitivity out of the ham bands. Ie. if the main receiver is on 146.94 and the sub receiver is on 162.4 (weather) the sensitivity at 162.4 will be poor.

There is a 2m VCO/PLL/IF and a 70cm VCO/PLL/IF. I assume that dual in band receive is done with the opposite band's receiver. This would explain the poor sensitivity, but it sure raises some questions about how the duplexer works.

I expected a type "N" connector, but the radio came with a UHF. :-(

Control wart: (are you listening Yaesu?) You can only transmit on the "main" (ie. left) side of the radio. When both 2m and 70cm receive are active, you change bands with the "BAND" button. This swaps the left and right displays. When dual in-band receive is active, the "BAND" button changes both the main and sub receivers from 2m to 440 or from 440 to 2m. Arrrgh!!!! I would have rather had the "BAND" button swap left and right regardless of mode. (The "SUB" button is used instead.)

Automatic backlight dim: works as advertised but the backlight level under low ambient lighting is WAY too low. The schematics do not indicate any adjustable components in the backlight control so this function is not adjustable. The backlight can be placed under manual control with a keypad mod (documented). Even better, the adjustability remains after the initial setting (not documented). After the "hold MHz key during power on, then press FUNC" sequence, the backlight is adjustable by pressing FUNC and using the tune knob.

Cross band repeat: Advertised but not documented. It is a simple power on sequence that someone posted. (and which I saved and then deleted -- please send it to me again so I can add it to my list of

"mods.")

DTMF page: works as advertised, but the \*%\$#@ thing insists on "ringing" like a phone EVERY time it receives the page sequence. This means that you have to co-ordinate with the other station to turn the \*%\$#@ DTMF stuff off at the same time or tolerate the "ring" at the start of every receive.

The page function is nice in that it will receive abc\*def (replace with numbers) and then display the def part on the dial so that you know who was trying to contact you.

CTCSS decode: squelch opens quickly when normal CTCSS decode (an option) is enabled. There is a CTCSS page function that has a distinct delay between receipt of carrier with CTCSS and open squelch. I don't yet understand the use of this "feature."

There is no SCAN button on the front panel. Scan is initiated by holding the up or down button of the mike down for two seconds. There is no "scan for idle frequency," but I don't need that feature anyway. The scan is blindingly fast when compared to the Alinco 590 that I used to have.

Memory: memory is divided into four "banks." Two for VHF, two for UHF. Only one bank can be active for each receiver. I consider this an advantage, but you may not. There are two obvious (to me) uses for this configuration. First, you can store frequencies for different uses (two cities or ham vs. monitoring) in different banks. Second, you can activate one 2m(440) bank in the main receiver and one the other 2m(440) bank in the other receiver and scan the simultaneously.

Heat management: After seeing the HUGE heat sink on the back of the Alinco 590, the Yaesu 5200's sink seems too small. In a key down experiment, the heat sink of the Yaesu got almost too hot to touch before the fan kicked on. If I were planning to run a packet station, I would definitely look into some extra forced air over the back of this one. As it is, I'm a bit concerned about how hot it will get mounted in my dashboard.

Again, these are the bad points, Yaesu is responsible for telling you the good points.

Disclaimer: I don't have any link with Yaesu!

Brian McMinn, N5PSS  
brian@amdc12.amd.com

---

Date: Tue, 12 Jan 93 11:23:55 GMT  
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!mojo.eng.umd.edu!  
tedwards@network.UCSD.EDU  
Subject: Yugoslav hams?  
To: info-hams@ucsd.edu

What is the current status of hams in Yugoslavia, especially  
arround the Belgrade area? Does the U.S. have a third-party  
agreement in effect?

-----  
End of Info-Hams Digest V93 #50  
\*\*\*\*\*